

**WHO / UNICEF**

**Joint Monitoring Programme**  
for Water Supply and Sanitation

Estimates for the use of

**Improved Drinking-Water Sources  
and Improved Sanitation Facilities**

Updated March 2010

[childinfo.org](http://childinfo.org)

Access to drinking water sources		DHS92			Niger			Access to drinking water sources		CEN97			Niger		
Demographic and Health Survey					1992			National Census as recorded in the Global Water Supply and Sanitation Assessment 2000. Water Supply and Sanitation Sector Questionnaire - 1999.					1997		
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total						
Private Tap	<b>Tap water</b>	61.3	6.4			<b>Tap water</b>	70.0	5.7							
	House connections	22.7	0.5			House connections									
	Piped water into dwelling					Piped water into dwelling									
	Piped water to yard/plot					Piped water to yard/plot									
Public Tap	Public tap, standpipe	38.6	5.9		Standpipe	Public tap, standpipe	70.0	0.0							
	Other				Mini-Adduction d'eau potable**	Other	0.0	5.7							
	<b>Ground water</b>	8.2	89.4			<b>Ground water</b>		50.2							
	Protected ground water					Protected ground water		50.2							
	Unprotected ground water					Unprotected ground water									
	Protected wells or springs					Protected wells or springs	0.0	50.2	0.0						
	Private					Private									
	Public					Public									
	Other					Other	0.0	31.7							
	Unprotected wells or springs					Unprotected wells or springs									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>All wells</b>	8.2	89.4			<b>All wells</b>	0.0	50.2	0.0						
Private Well	Private	1.5	1.9			Private									
Public Well/Borehole	Public	6.7	87.5			Public	0.0	31.7							
	Other					Other	0.0	18.5							
	Tubewell, borehole				Borehole	Tubewell, borehole									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>Traditional wells</b>					<b>Traditional wells</b>	0.0	31.7	0.0						
	Private					Private									
	Public					Public									
	Other					Other	0.0	31.7							
	Protected well					Protected well	0.0	31.7	0.0						
	Private					Private									
	Public					Public									
	Other					Other	0.0	31.7							
	Unprotected well				Modern Lined Well	Unprotected well									
	Private					Private									
	Public					Public									
	Other					Other	0.0	31.7							
	<b>All springs</b>					<b>All springs</b>									
	Private					Private									
	Public					Public									
	Other					Other									
	Protected spring					Protected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	Unprotected spring					Unprotected spring									
	Private					Private									
	Public					Public									
	Other					Other									
	<b>Rainwater</b>					<b>Rainwater</b>									
	Covered cistern/tank					Covered cistern/tank									
	Uncovered cistern/tank					Uncovered cistern/tank									
	<b>Bottled water</b>					<b>Bottled water</b>									
	with other improved					with other improved									
	without other improved					without other improved									
Surface Water	<b>Surface water</b>	1.3	3.1			<b>Surface water</b>									
	River					River									
	Lake					Lake									
	Dam					Dam									
	Pond					Pond									
	Stream					Stream									
	Irrigation channel					Irrigation channel									
	Other					Other									
	<b>Other improved sources</b>					<b>Other improved sources</b>									
	Other					Other									
	Other					Other									
	<b>Other non-improved</b>	29.1	0.9			<b>Other non-improved</b>									
	Cart with small tank/drum					Cart with small tank/drum									
Vendor	Tanker truck provided	28.3	0.9			Tanker truck provided									
Other	Other	0.8	0.0			Other									
	Other					Other									
Not Defined	<b>DK/missing</b>	0.2	0.2		Not Specified	<b>DK/missing</b>	30.0	44.1							
	<b>Total</b>	100.1	100.0			<b>Total</b>	100.0	100.0							
<b>Calculations</b>					<b>Calculations</b>										
<b>Estimations</b>	Wells/ boreholes estimated protected on basis of DHS06	2.5	22.4		<b>Estimations</b>										
<b>Access to improved drinking water sources :</b>		<b>64%</b>	<b>29%</b>		<b>Access to improved drinking water sources :</b>		<b>70%</b>	<b>56%</b>							
<b>Access to house connections :</b>		<b>23%</b>	<b>1%</b>		<b>Access to house connections :</b>										
Used for the estimates :		<b>Yes</b>	<b>Yes</b>		Used for the estimates :		<b>No</b>	<b>No</b>							
Used for the estimates :		<b>Yes</b>	<b>Yes</b>		Used for the estimates :		<b>No</b>	<b>No</b>							
<b>Ratios</b>	HC / Tap water	37%	8%		<b>Ratios</b>	HC / Tap water									
	Public tap / Tap water	63%	92%			Public tap / Tap water	100%	0%							
	Tubewell + protected well / All wells					Tubewell + protected well / All wells									
	Protected wells / Traditional wells					Protected wells / Traditional wells									
	Tubewell / All wells					Tubewell / All wells									
	Protected springs / All springs					Protected springs / All springs									
	Protect. well & spring / well & spring					Protect. well & spring / well & spring									
Number of people covered by the survey:					Number of people covered by the census:		1792.063	8407.865							
Number of households covered by the survey:					Number of households covered by the census:										
Total population:					Total population:										
<b>Comments</b>					<b>Comments</b>										

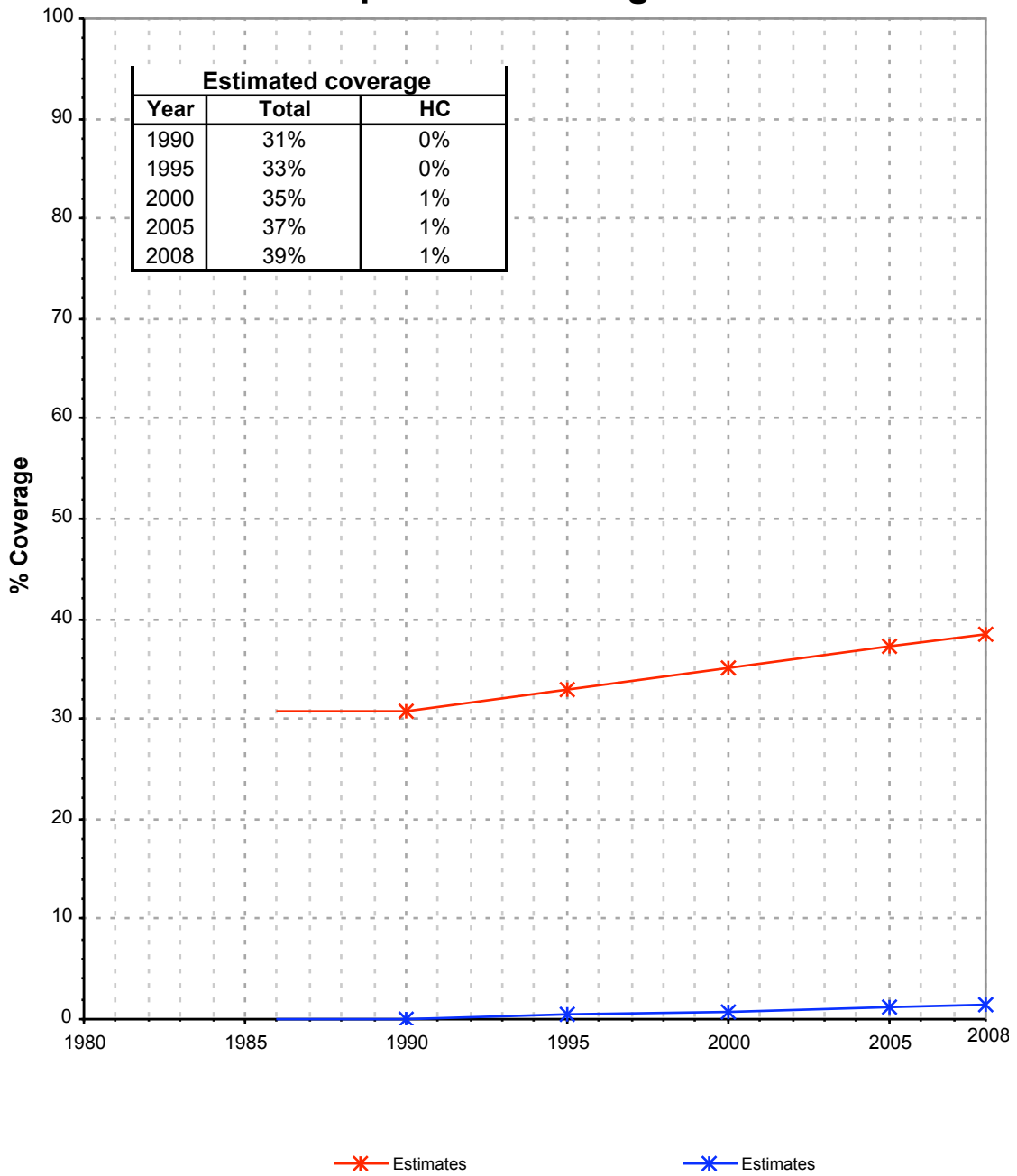


Access to drinking water sources		Niger			Access to drinking water sources		Niger		
MICS00		2000			DHS06		2006		
Multiple Indicator Cluster Survey					Demographic and Health Survey				
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total
Robinet a domicile	<b>Tap water</b>	76.1	6.6	17.7		<b>Tap water</b>	90.8	8.3	
	House connections	34.8	0.5	6.0		House connections	35.2	0.1	
	Piped water into dwelling				Eau du Robinet dans le logement	Piped water into dwelling	25.5	0.1	
	Piped water to yard/plot				Eau du Robinet dans la cour/concession	Piped water to yard/plot	9.7	0.0	
Fontaine	Public tap, standpipe	41.3	6.1	11.7	Robinet d'ailleurs	Public tap, standpipe	55.6	8.2	
	Other					Other			
	<b>Ground water</b>	7.6	90.8	77.6		<b>Ground water</b>	7.3	89.9	
	Protected ground water	4.7	29.4	25.5		Protected ground water	2.2	22.5	
	Unprotected ground water	2.9	61.4	52.1		Unprotected ground water	5.1	67.3	
Forage/ puits/ source protégé	Protected wells or springs	4.7	29.4	25.5		Protected wells or springs	2.2	22.5	
	Private					Private	0.9	3.9	
	Public					Public			
	Other					Other	1.3	18.6	
	Unprotected wells or springs	2.9	61.4	52.1		Unprotected wells or springs	5.1	67.3	
	Private					Private	1.1	1.0	
	Public					Public			
	Other					Other	4.0	66.3	
	<b>All wells</b>					<b>All wells</b>	7.3	89.8	0.0
	Private					Private	2.0	4.9	
	Public					Public			
	Other					Other	5.3	84.9	
	Tubewell, borehole					Tubewell, borehole			
	Private					Private			
	Public					Public			
	Other					Other			
	<b>Traditional wells</b>					<b>Traditional wells</b>	7.3	89.8	0.0
	Private					Private	2.0	4.9	
	Public					Public			
	Other					Other	5.3	84.9	
	Protected well					Protected well	2.2	22.5	0.0
	Private				Puit protégé dans le logement/cour	Private	0.9	3.9	
	Public					Public			
	Other				Puit protégé d'ailleurs	Other	1.3	18.6	
	Unprotected well					Unprotected well	5.1	67.3	0.0
	Private				Puit ouvert dans le logement / cour	Private	1.1	1.0	
	Public					Public			
	Other				Puit ouvert d'ailleurs	Other	4.0	66.3	
	<b>All springs</b>				Source	<b>All springs</b>	0.0	0.1	
	Private					Private			
	Public					Public			
	Other					Other			
	Protected spring					Protected spring			
	Private					Private			
	Public					Public			
	Other					Other			
	Unprotected spring					Unprotected spring			
	Private					Private			
	Public					Public			
	Other					Other			
	<b>Rainwater</b>					<b>Rainwater</b>			
	Covered cistern/tank					Covered cistern/tank			
	Uncovered cistern/tank					Uncovered cistern/tank			
	<b>Bottled water</b>					<b>Bottled water</b>	0.2	0.0	
	with other improved				Eau en Bouilleille	with other improved	0.2	0.0	
	without other improved					without other improved			
	<b>Surface water</b>					<b>Surface water</b>	0.0	1.7	
	River				fleuve/riere	River	0.0	1.1	
	Lake				Mare/Lac	Lake	0.0	0.5	
	Dam				Barrage	Dam	0.0	0.1	
	Pond					Pond			
	Stream					Stream			
	Irrigation channel					Irrigation channel			
	Other					Other			
	<b>Other improved sources</b>					<b>Other improved sources</b>			
	Other					Other			
	Other					Other			
	<b>Other non-improved</b>	16.3	2.5	4.7		<b>Other non-improved</b>	1.6	0.1	
	Cart with small tank/drum					Cart with small tank/drum			
Camion vendeur	Tanker truck provided	14.4	1.7	3.7		Tanker truck provided			
Autres	Other	1.9	0.8	1.0	Autre	Other	1.6	0.1	
	Other					Other			
	<b>DK/missing</b>				ND	<b>DK/missing</b>	0.1	0.0	
	<b>Total</b>	100.0	99.9	100.0		<b>Total</b>	100.0	100.0	
<b>Calculations</b>					<b>Calculations</b>				
	Protected wells, based on DHS06	4.7	29.4						
	Protected springs based on DHS06	0.0	0.0						
<b>Estimations</b>					<b>Estimations</b>				
						50% of springs considered improved	0.0	0.1	
<b>Access to improved drinking water sources :</b>		<b>81%</b>	<b>36%</b>	<b>43%</b>	<b>Access to improved drinking water sources :</b>		<b>93%</b>	<b>31%</b>	
<b>Access to house connections :</b>		<b>35%</b>	<b>1%</b>	<b>6%</b>	<b>Access to house connections :</b>		<b>35%</b>	<b>0%</b>	
Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
Used for the estimates:		Yes	Yes		Used for the estimates:		Yes	Yes	
<b>Ratios</b>	HC / Tap water	46%	8%		<b>Ratios</b>	HC / Tap water	39%	1%	
	Public tap / Tap water	54%	92%			Public tap / Tap water	61%	99%	
	Tubewell + protected well / All wells					Tubewell + protected well / All wells			
	Protected wells / Traditional wells					Protected wells / Traditional wells	30%	25%	
	Tubewell / All wells					Tubewell / All wells			
	Protected springs / All springs					Protected springs / All springs			
	Protect. well & spring / well & spring	62%	32%			Protect. well & spring / well & spring	30%	25%	
	protected/ all "forage puits/ source" (excluding "forage" on basis of DHS 98)	25%	18%			Springs/Groundwater	0%	0%	
	Number of people covered by the survey:					Number of people covered by the survey:			
	Number of households covered by the survey:					Number of households covered by the survey:			
	Total population:					Total population:			
<b>Comments</b>					<b>Comments</b>				

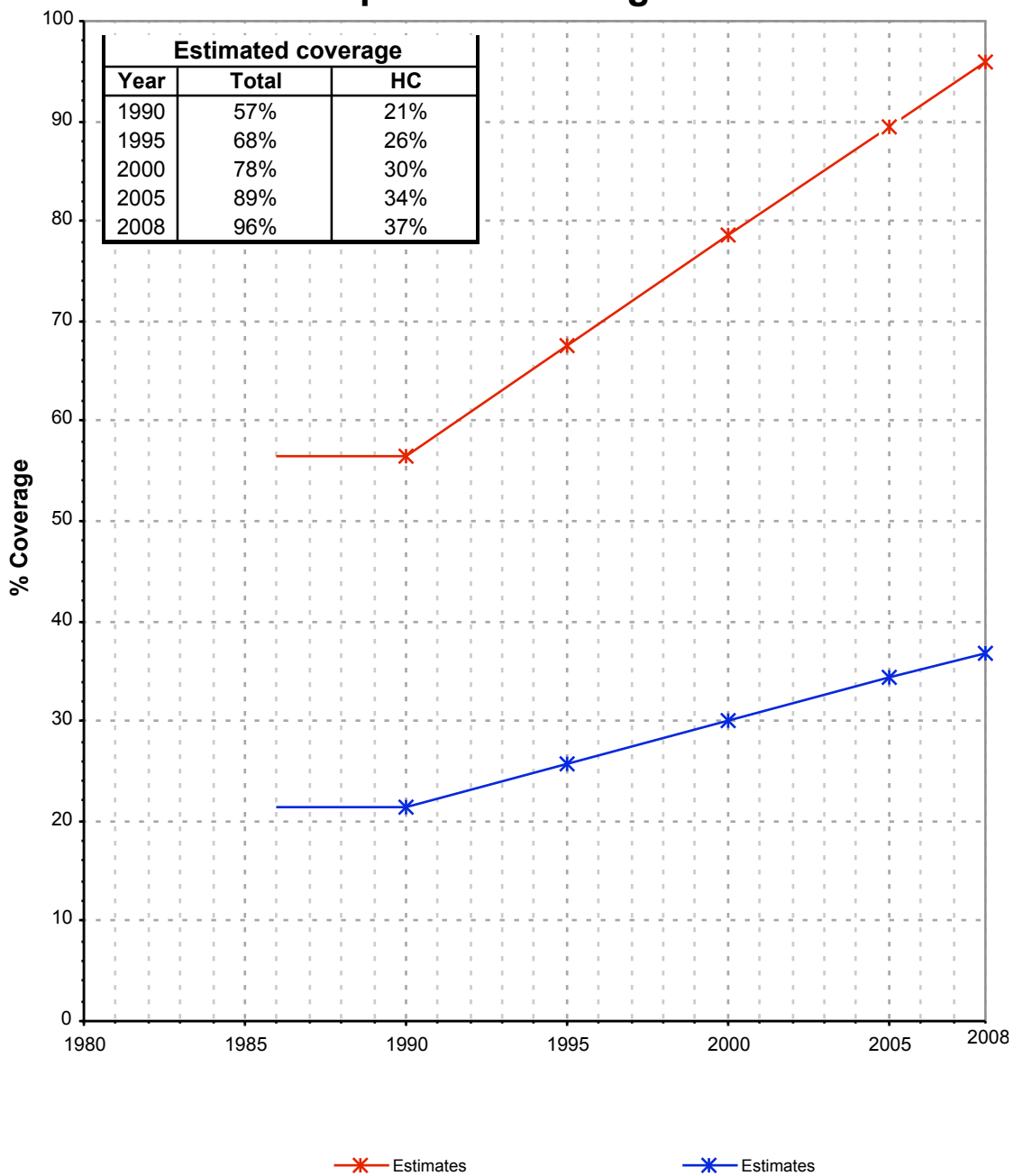


Access to drinking water sources		ENBC08		Niger		Access to drinking water sources		NSE08		Niger		
Enquete Nationale sur le Budget et la consommation des Menages				Enquete Nationale Nutrition et Survie d'Enfant								
Institut National de la Statistique				2008				2008				
Original denomination	Classification	Urban	Rural	Total	Original denomination	Classification	Urban	Rural	Total	Urban	Rural	Total
	<b>Tap water</b>	94.9	13.4	26.0		<b>Tap water</b>						
	House connections	39.5	1.1	6.3		House connections						
Eau de robinet dans le logement	Piped water into dwelling	29.8	0.0	3.7		Piped water into dwelling						
Eau de robinet dans la cours/concession	Piped water to yard/plot	9.7	1.1	2.6		Piped water to yard/plot						
Borne Fontaine/Robinet d'alleurs	Public tap, standpipe	55.4	12.3	19.7		Public tap, standpipe						
	Other					Other						
	<b>Ground water</b>	4.4	84.7	71.0		<b>Ground water</b>	1.4	63.4				
	Protected ground water	2.2	28.7	24.2		Protected ground water						
	Unprotected ground water	2.2	56.0	46.8		Unprotected ground water	1.4	63.4				
	Protected wells or springs	2.2	28.7	24.2		Protected wells or springs						
	Private	0.3	0.9	0.8		Private						
	Public	0.8	11.3	9.5		Public						
	Other					Other						
	Unprotected wells or springs	2.2	56.0	46.8		Unprotected wells or springs	1.4	63.4	0.0			
	Private	1.2	0.9	1.0		Private						
	Public	0.9	54.8	45.8		Public						
	Other					Other						
	<b>All wells</b>	4.3	84.2	70.5		<b>All wells</b>	1.4	63.4				
	Private	1.5	1.8	1.8		Private						
	Public	1.7	66.1	55.0		Public						
	Other					Other						
Forage	Tubewell, borehole	1.1	16.3	13.7		Tubewell, borehole						
	Private					Private						
	Public					Public						
	Other					Other						
	<b>Traditional wells</b>	3.2	67.9	56.8		<b>Traditional wells</b>	1.4	63.4				
	Private	1.5	1.8	1.8		Private						
	Public	1.7	66.1	55.0		Public						
	Other					Other						
	Protected well	1.1	12.2	10.3		Protected well						
	Private	0.3	0.9	0.8		Private						
	Public	0.8	11.3	9.5		Public						
	Other					Other						
	Unprotected well	2.1	55.7	46.5		Unprotected well	1.4	63.4				
	Private	1.2	0.9	1.0		Private						
	Public	0.9	54.8	45.5		Public						
	Other					Other						
	<b>All springs</b>	0.1	0.5	0.5		<b>All springs</b>						
	Private					Private						
	Public					Public						
	Other					Other						
	Protected spring	0.0	0.2	0.2		Protected spring						
	Private					Private						
	Public					Public						
	Other					Other						
	Unprotected spring	0.1	0.3	0.3		Unprotected spring						
	Private					Private						
	Public					Public						
	Other					Other						
	<b>Rainwater</b>					<b>Rainwater</b>						
	Covered cistern/tank					Covered cistern/tank						
	Uncovered cistern/tank					Uncovered cistern/tank						
	<b>Bottled water</b>					<b>Bottled water</b>						
	with other improved					with other improved						
	without other improved					without other improved						
Fleuve/riere/lac/barrage/eau de pluie	<b>Surface water</b>	0.0	3.3	2.7	Eau surface	<b>Surface water</b>	0.0	3.9				
	River					River						
	Lake					Lake						
	Dam					Dam						
	Pond					Pond						
	Stream					Stream						
	Irrigation channel					Irrigation channel						
	Other					Other						
	<b>Other improved sources</b>				Robinet/Forage/Puits protégé	<b>Other improved sources</b>	98.6	32.8				
	Other					Other						
	Other					Other						
	<b>Other non-improved</b>	0.6	0.1	0.2		<b>Other non-improved</b>						
	Cart with small tank/drum					Cart with small tank/drum						
	Tanker truck provided					Tanker truck provided						
	Other	0.5	0.1	0.2		Other						
Autre	Other	0.1	0.0	0.0		Other						
Mini AEP	Other					Other						
	<b>DK/missing</b>					<b>DK/missing</b>						
	<b>Total</b>	99.9	101.5	99.9		<b>Total</b>	100.0	100.1				
<b>Calculations</b>					<b>Calculations</b>							
<b>Estimations</b>					<b>Estimations</b>							
<b>Access to improved drinking water sources :</b>		<b>97%</b>	<b>42%</b>	<b>50%</b>	<b>Access to improved drinking water sources :</b>		<b>99%</b>	<b>33%</b>				
<b>Access to house connections :</b>		<b>40%</b>	<b>1%</b>	<b>6%</b>	<b>Access to house connections :</b>							
Used for the estimates :		Yes	Yes		Used for the estimates :		Yes	Yes				
Used for the estimates :		Yes	Yes		Used for the estimates :		No	No				
<b>Ratios</b>	HC / Tap water	42%	8%		<b>Ratios</b>	HC / Tap water						
	Public tap / Tap water	58%	92%			Public tap / Tap water						
	Tubewell + protected well / All wells	51%	34%			Tubewell + protected well / All wells						
	Protected wells / Traditional wells	34%	18%			Protected wells / Traditional wells						
	Tubewell / All wells	26%	19%			Tubewell / All wells						
	Protected springs / All springs	0%	40%			Protected springs / All springs						
	Protect. well & spring / well & spring	50%	34%			Protect. well & spring / well & spring						
Number of people covered by the survey:					Number of people covered by the survey:							
Number of households covered by the survey:					Number of households covered by the survey:							
Total population:					Total population:							
<b>Comments</b>					<b>Comments</b>							

## Niger - rural - Use of improved drinking water sources



## Niger - urban - Use of improved drinking water sources



Niger			DRINKING WATER							
			URBAN				RURAL			
			House connection		Total		House connection		Total	
Source	Code	Year	Used	Not used	Used	Not used	Used	Not used	Used	Not used
Demographic and Health Survey	DHS92	1992	22.7		63.8		0.5		28.8	
National Census	CEN97	1997				70.0				55.9
Demographic and Health Survey	DHS98	1998	26.6		69.0		0.1		36.8	
Global Water Supply and Sanitation Assessment 2000.	JMP99	1999		0.0		70.0		0.0		55.9
Multiple Indicator Cluster Survey	MICS00	2000	34.8		80.8		0.5		36.0	
Demographic and Health Survey	DHS06	2006	35.2		93.2		0.1		30.9	
Enquête permanente de la conjoncture économique et sociale	EPC94	1994		21.9		95.2		0.7		55.0
Questionnaire Unifié sur les Indicateurs de Base de Bien-Etre	QUIBB05	2005	28.7		84.2		3.2		45.7	
Enquete Nationale sur le Budget et la consommation des Menages	ENBC08	2008	39.5		97.1		1.1		42.1	
Enquete Nationale Nutrition et Survie d'Enfant	NSE08	2008			98.6				32.8	

# Drinking Water

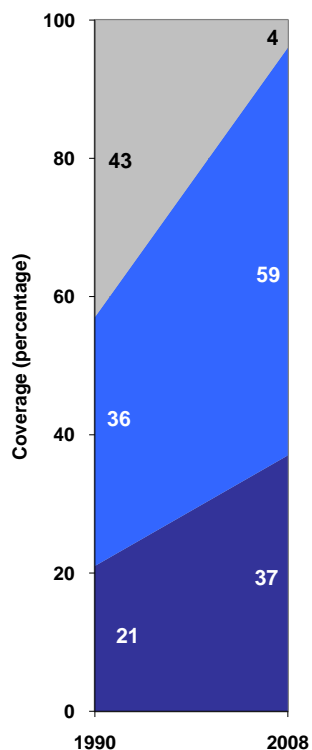
Niger	Drinking water coverage estimates					
	Urban (%)		Rural (%)		Total (%)	
	1990	2008	1990	2008	1990	2008
Piped into premises	21	37	0	1	3	7
Other improved source	36	59	31	38	32	41
Unimproved source	43	4	69	61	65	52

Source: WHO/UNICEF JMP, 2010

Niger	Urban		Rural		Total	
	1990	2008	1990	2008	1990	2008
Population (x1000)	1,215	2,421	6,689	12,283	7,904	14,704

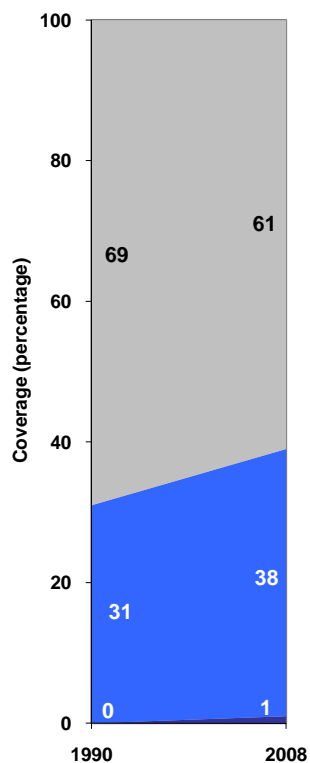
Source: UN / Population Division, 2008

Urban drinking water trends



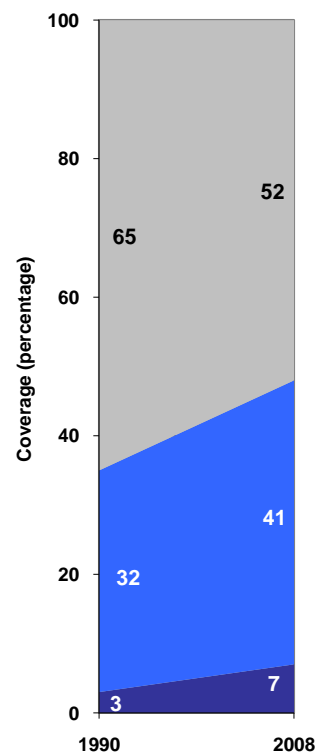
■ Unimproved sources  
■ Other improved sources  
■ Piped onto premises

Rural drinking water trends



■ Piped onto premises  
■ Other improved sources  
■ Unimproved sources

Total drinking water trends



■ Unimproved sources  
■ Other improved sources  
■ Piped onto premises